9105-3:JMD:#150 STATES PATENT AND TRADEMARK OFFICE

In repatent application of: I hereby certify that this correspondence is being deposited with the United States Postal Service as first) Before the Examiner class mail in an envelope addressed to the Assistant Samuel M.D. Norville, et al. Commissioner for Patents, Washington, D.C. 20231 on) K. Lin November 30, 2001 Serial No. 09/585,061 Date of deposit) Group Art Unit 1722 James M. Durlacher Filed June 1, 2000 Name of Registered Representative APPARATUS FOR AND METHOD) Signature) November 30, 2001 OF PRODUCING ON-DEMAND SEMI-SOLID MATERIAL FOR November 30, 2001 Date of Signature **CASTINGS**

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

RECEIVED

TC 1700

Sir:

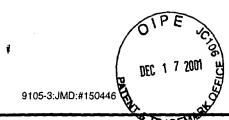
Assistant Commissioner for Patents

Washington, D.C. 20231

Pursuant to the duty of disclosure embodied in 37 C.F.R. § 1.56, Applicant wishes to bring to the attention of the Examiner the items of information listed on the enclosed citation form. This information has not been previously submitted in this application, and has not been heretofore cited by the Examiner. Copies of cited items are enclosed in accordance with 37 C.F.R. § 1.98.

U.S. PATENTS

DOCUMENT NUMBER	DATE	NAME .
6,165,411	12/2000	Adachi, et al.
3,472,502	10/1969	Schott
5,501,266	3/1996	Wang et al.
5,425,048	6/1995	Heine et al.
4,774,992	10/1988	George



1722

WENMM/SB/21 (12/00)

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in this Submission

Application Number	09/585.061		
Filing Date	June 1, 2000		
First Named Inventor	Samuel M.D. NORVILLE		
Group Art Unit	1722		
Examiner Name	K. Lin		
Attorney Docket Number	9105-3		

ENCLOSURES (check all that apply)							
Fee Transmittal Form	Assignment Papers	After Allowance Communication to Group					
Fee Attached	Drawing(s)	Appeal Communication to Board of Appeals and Interferences					
Amendment Response	Licensing-related Papers	Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)					
After Final	Petition Routing Slip (PTO/SB/69) and Accompanying Petition	Proprietary Information					
Affidavits/declaration(s)	To Convert a Provisional Application	Status Letter					
Extension of Time Request	Power of Attorney, Revocation, Change of Correspondence Address	Additional Enclosure (please identify below)					
Express Abandonment Request	Terminal Disclaimer						
Supplemental Information Disclosure Statement, PTO 1449 form, & copies of refs.	Small Entity Statement						
Certified Copy of Priority Documents	Request for Refund	RECE					
Response to Missing Parts/ Incomplete Application	Remarks	RECEIVED DEC 2 0 2001					
Response to Missing Parts under 37 CRF 1.52 or 1.53		2 0 2001					
SIGNATURE	OF APPLICANT, ATTORNEY, OR AGE						
Firm James M. Durlacher							
or Individual Name Woodard, Emhardt, Naughton, Moriarty & McNett							
Signature James M. Durlacher							
Date November 30, 2001							
Certificate of Mailing							
I hereby certify that this correspondence is being deposi Assistant Commissioner for Patents, Washington D.C. 2		ass mail in an envelope addressed to:					
Typed or printed James M. Durlacher, Reg. No. 28, name	840						
Signature James M.	Durlocher Date 1	November 30, 2001					

WENMWSB/17 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE ct of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL FOR FY 2002 PANEMAN

Patent fees are subject to annual revision.

	Complete if Kno	own	
Application Number	09/585,061	Do	
Filing Date	June 1, 2000	JEO!	.
First Named Inventor	Samuel M.D. NOR	VILLE VILLE	1///
Group Art Unit	1722	D_{EC}	חשייי
Examiner Name	K. Lin	20	200
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Total Amount of Payment (\$) 180 Atto			orney Doo	ket Num	ber	9105-	3 CULATION (continued)				
METHOD OF PAYMENT						FEE CA	LCULATION (continued)				
1.				ereby authorized to charge indicator payments to:	ed	3. ADDI	TIONAL F	EES		.,00	
Deposit Account Number		23-3030	Bull arry Ove	п раушено го.		Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
Deposit		Woodar	d, Emha	rdt, Naughton, Moriarty	&	105	130	205	65	Surcharge - late filing fee or oath	
Account Na	ame [I	McNett				127	50	227	25	Surcharge – late provisional filing fee or cover sheet.	
\boxtimes	-		onal Fee R			139	130	139	130	Non-English specification	
	Under 3	7 CFH 1.10	6 and 1.17			147	2,520	147	2,520	For filing a request for ex parte reexamination	
		nt clairns si CFR 1.27.	mall entity s	status.		112	920*	112	920*	Requesting publication of SIR prior to Examiner	
	Daymer	nt Enclos				113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
2.	rayillei		çu.			115	110	215	55	Extension for reply within first month	
\boxtimes	Check	Cred	dit Card	Money Order	Other	116	400	216	200	Extension for reply within second month	
		FEE	CALCL	JLATION		117	920	217	460	Extension for reply within third month	
1. BASIC	FILING	FEE				118	1,440	218	720	Extension for reply within fourth month	
Large	Entity	Small	Entity	y Fee sad	Paid	128	1,960	228	980	Extension for reply within fifth month	
	Fee (\$)	Fee Code	Fee (Palu	119	320	219	160	Notice of Appeal	
101	740	201	370	Utility Filing Fee		120	320	220	160	Filing a brief in support of an appeal	
106	330	206	165	Design Filing Fee		121	280	221	140	Request for oral hearing	
107	510	207	255	Plant Filing Fee		138	1,510	138	1,510	Petition to institute a public use proceeding	
108	740	208	370	Reissue Filing Fee		140	110	240	55	Petition to revive - unavoidable	
114	160	214	80	Provisional Filing Fee		141	1,280	241	640	Petition to revive - unintentional	
					0	142	1,240	242	620	Utility issue fee (or reissue)	
2. EXTRA	CLAI	M FEES				143	460	243	230	Design issue fee	
		_	Extra Claims		Paid	144	620	244	310	Plant issue fee	
Total Claims	•]	-20** =	=	X		122	130	122	130	Petitions to the Commissioner	
Independent Claims		-3** =	=	x =		123	50	123	50	Petitions related to provisional applications	
Multiple De	ependen	t	<u> </u>	= = =		126	180	126	180	Submission of Information Disclosure Stmt	180
				<u> </u>		581	40	581	40	Recording each patent assignment per property (times number of properties)	
Fee F	Entity Fee	Small Fee Code	Entity Fee (\$)	Fee Description		146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	
	(s) 18	203	9	Claims in excess of 20		149	740	249	370	For each additional invention to be examined (37 CFR 1.129(b))	
102 8	84	202	42	Independent claims in excess	of 3	179	740	279	370	Request for Continued Examination (RCE)	
104 2	280	204	140	Multiple dependent claim, if no	t paid	169	900	169	900	Request for expedited examination of a design application	
109 8	84	209	42	**Reissue independent claims original patent	over						
110				Other Fe	ee (specify)	•••••				
			SUBTOTA			* Reduc	ed by Bas	ic Filing F	ee Paid	SUBTOTAL (3) (\$) 180	
**or number	previousl	y paid, if gr	eater; For R	Reissues, see above		<u> </u>					
	Complete (if applicable)										

Complete (if applicable)								
Name (Print/Type)	James M. Durlacher	Registration No. (Attorney/Agent)	28,840	Telephone	(317) 634-3456	_		
Signature	James M.	Durlacher		Date	November 30, 2001			

Warning: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

DOCUMENT NUMBER	DATE	NAM	ИE
972,429	10/1910	Baird	
5,247,988	9/1993	Kurzinski	
4,088,295	5/1978	Medovar et al.	
3,791,015	2/1974	Lucenti	
5,332,200	7/1994	Gorin et al.	
1,506,281	8/1924	Baily	
3,981,351	9/1976	Dompass	
1,776,355	9/1930	Eppensteiner	
4,321,958	3/1982	Delassus	RECEIVED
3,882,923	5/1975	Alberny et al.	
4,614,225	9/1986	Ernst et al.	DEC 2 0 2001
3,995,678	12/1976	Zavaras et al.	TC 1700
6,003,590	12/1999	Pavlicevic et al.	10 1100
6,021,842	2/2000	Bulhoff et al.	
4,729,422	3/1988	Ernst et al.	
4,877,079	10/1989	Long et al.	
5,135,564	8/1982	Fujikawa et al.	
5,549,732	8/1996	Dube et al.	

FOREIGN PATENTS

Document No.	Date ,	Country	Name
JP 6-28939	02/1994 $\sqrt{}$	Japan	Sato
JP 61-67555	04/1986 √	Japan	Nichiei

CONCISE EXPLANATION OF NON-ENGLISH REFERENCES

A concise explanation of the relevance of the non-English language prior art patents under 37 CFR §1.98(a)(3), as presently understood by the individual designated in §1.56(c) as most knowledgeable about the content of the information is set forth below.

JP 6-28939

This reference appears to disclose a mold insulator having unified junction interfaces for securely joining molding insulating jacket elements. The mold interface is sealed with liquid rubber and hardened after the elements are co-joined.

JP 61-67555

This reference appears to disclose a molten metal injection sleeve for a die-casting machine comprising separately-formed inner and outer tubes with a coolant jacket interposed therebetween. The cooling jacket apparently protects the inner tube from thermal attack by high temperature liquid metal.

The identified information, taken alone or in combination with other art, provides information relating to the subject matter of the invention, but fails to teach, disclose or suggest the present invention. The filing of this Information Disclosure Statement shall not be construed as an admission that the information cited is, or is considered to be, material to patentability as defined in § 1.56(b).

This Statement is being submitted more than three months after the filing date of the application and after the mailing of the first Office Action on the merits, but before the mailing of a final action under § 1.113 or a Notice of Allowance under § 1.311. The fee according to 37 CFR §1.17(p) is enclosed.

Should any additional fee be required, however, please charge such fee to Deposit Account No. 23-3030, but not to include any payment of issue fees.

Respectfully submitted,

James M. Durlacher, Reg. No. 28,840 Woodard, Emhardt, Naughton, Moriarty

& McNett

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